# Construction and Demolition Recycling Plan and Disposal Report

| | | | |
|---|---|---|---|
| **Permit Number** | | **Job Address** | |
| **Owner** | | **Contractor** | **Phone No** |
| **Construction Type** | | **Square Footage:** | **Project Est. Cost:** |
| **Recycling Contractor (if applicable)** | | | |

| **MATERIALS** | **Before Construction (estimated tons)** | | **After Construction (actual tons)** | | | **Contractor/Owner to submit all disposal and recycling receipts** |
|---|---|---|---|---|---|---|
| | | | **Disposed** | **Diversion** | | |
| | **Landfill** | **Diversion** | **Landfill** | **On-site reuse** | **Off site recycle** | **Where** |
| **Mixed Recyclables** | | | | | | |
| **Land Clearing** | | | | | | |
| **Inerts (Concrete, A/C, etc.)** | | | | | | |
| **Drywall** | | | | | | |
| **Metals** | | | | | | |
| **Lumber** | | | | | | |
| **Cardboard** | | | | | | |
| | | | | | | |
| **Trash** | | **NA** | | **NA** | **NA** | |
| **Total** | | | | | | |

**Estimated diversion rate:_____ %**

**Actual diversion rate: _____ %**

| **OFFICIAL USE ONLY** | |
|---|---|
| **Plan Approved** | |
| **Information Needed** | |
| **Plan Denied** | |
| **Project Value** | **$** |
| **Date** | |
| **Reviewed/Approved By:** | |

**For Applicants:**

**To Complete this form see the instructions on the other side**

| **OFFICIAL USE ONLY** | |
|---|---|
| **Goal Achieved** | |
| **Substantial Compliance** | |
| **Goal Not Achieved** | |
| **Penalty Paid** | **$** |
| **Date** | |
| **Reviewed/Approved By:** | |

## Applicable projects

The construction and demolition debris recycling ordinance applies to construction or renovation projects with a **valuation of $50,000 or higher**.

In addition, all demolition projects **equal to or greater than 1,000 square feet** must also comply. The goal is to divert, by recycling or reuse, 50% or more of the materials (by weight) from the project. **Failure to meet this goal will result in a civil penalty of 2 percent of the project valuation.**

## Permit application.

As part of the permit application process, **complete the top portion of the form and fill in the two columns under Before Construction**. The two columns are the estimated amount of waste to be sent to the landfill and the estimated amount of waste to be diverted by reuse or recycling, by type of material. The information in these columns are only estimates and should be calculated based upon your experience as a builder. A guide to the amount of material generated by project for your reference is in the opposite column.

To calculate the estimated diversion rate divide the total diversion tonnage by the sum of the landfill and diversion tonnages and then multiply by 100.

$$\frac{\text{diversion}}{\text{diversion + landfill}} \times 100 = \text{Diversion Rate}$$

If the estimated diversion rate is less than 50%, please submit an explanation as to why this project cannot achieve the goal.

After completing the form, and any other applicable information, inprint the recycling plan on all building and/or demo plans to be submitted for approval.

## After finishing the project

**Collect and attach all receipts for disposal and recycling**. Fill in the actual disposal and diverted tonnages for each material. Calculate the diversion rate for the project using the equation shown above.

If the actual diversion rate is less than 50 percent, please provide an explanation as to why this project failed to meet the goal. **Submit the completed form with the attached receipts to the Utilities Conservation Office to obtain blue card sign off prior to final inspection approval**.

## Recycling Contractor

If you are using a waste hauler that reports diversion rates of mixed construction and demolition recyclables to the IWMA, fill in the name of the contractor for our information. This will allow us to use the published diversion rate for that waste hauler.

## Construction & Demolition Waste Generation Guide

Use the following conversion factors as guidelines when completing the Construction and Demolition Recycling Plan and Disposal Report

**Projections by Project Type Lbs per Sq. Foot**

| | | | | | |
|---|---|---|---|---|---|
| Commercial Additions | 27lbs | Multi-Family New Const. 9.5lbs | | | |
| Commercial Demolition | 21lbs | Single Family Addition | 33lbs | | |
| Commercial New Const. | 13lbs | Single Family | Demo | 83lb | |
| Commercial T& I | 10lbs | Single Family | Custom | 7.5lb | |
| Multi-Family Addition | 4.5lbs | Single Family | Tract | 3.2lb | |
| Multi-Family Demo | 16lbs | Single Family Remodel | 39lbs | | |

**Conversion factors:**

| | | |
|---|---|---|
| Mixed Waste | 350 Pounds per cubic yard | 5.7 cubic yards per ton |
| Inerts | 1400 Pounds per cubic yard | 1.4 cubic yards per ton |
| Drywall | 500 Pounds per cubic yard | 4.0 cubic yards per ton |
| Metals | 150 Pounds per cubic yard | 13.3 cubic |

| | | |
|---|---|---|
| yards per ton | | |
| Lumber | 300 Pounds per cubic yard | 6.7 cubic yards per ton |
| Cardboard | 100 Pounds per cubic yard | 20.0 cubic yards per ton |

These figures are only to be used as a guide in calculating your Recycling Plan. The actual numbers may vary. Use the actual numbers when completing the After Construction portion of the form.

**October 9, 2003**